

Title (en)
ELECTRICITY MEASUREMENT APPARATUS AND METHOD

Title (de)
ELEKTRIZITÄTSMESSAPPARAT UND METHODE

Title (fr)
APPAREIL ET PROCEDE DE MESURE DE L'ELECTRICITE

Publication
EP 0804739 A1 19971105 (EN)

Application
EP 96900135 A 19960110

Priority
• GB 9600040 W 19960110
• GB 9500974 A 19950118

Abstract (en)
[origin: WO9622539A1] An electricity meter includes two spaced-apart parallel conductors (A, B) for current flow in a single direction. A magnetic field is induced in the space between the conductors. A magnetic field sensor or sensors (H1, H2) in the space are used to measure electricity flow. Preferably there are two sensors (H1, H2) positioned so that their output signals include similar components due to an external magnetic field (if present). These components can be removed by differencing so as to avoid external magnetic field causing errors in electricity measurement.

IPC 1-7
G01R 15/20

IPC 8 full level
G01R 15/20 (2006.01); **G01R 21/08** (2006.01)

CPC (source: EP US)
G01R 21/08 (2013.01 - EP US)

Citation (search report)
See references of WO 9622539A1

Cited by
DE10100597A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9622539 A1 19960725; AT E174125 T1 19981215; AU 4352396 A 19960807; AU 702138 B2 19990211; DE 69601070 D1 19990114; DE 69601070 T2 19990805; EP 0804739 A1 19971105; EP 0804739 B1 19981202; GB 9500974 D0 19950308; SI 0804739 T1 19990831; US 6040690 A 20000321; ZA 96250 B 19970714

DOCDB simple family (application)
GB 9600040 W 19960110; AT 96900135 T 19960110; AU 4352396 A 19960110; DE 69601070 T 19960110; EP 96900135 A 19960110; GB 9500974 A 19950118; SI 9630046 T 19960110; US 87503197 A 19971028; ZA 96250 A 19960112